



CBA 725 (S)

SAFETY DATA SHEET

SDS308V1

1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: CBA 725 (S)
Shoe Glue

Product Use: Adhesives

Supplier: Royal Adhesive Industries CC
11 Westmead Road
Westmead, 3608
Kwa-Zulu Natal, South Africa

Revision Date: 20/02/2020

Reason for review: Conversion to GHS requirement

SDS No: SDS308V1

Emergency telephone: Poison Information Helpline: 0861 555 777

2 - HAZARDOUS IDENTIFICATION

GHS Classification:

Flammable, Liquid, category 2
Acute Toxicity, Oral, Category 1
Skin Irritation, category 2
Eye Irritation, category 2
STOT, single exposure, category 3
Germ Cell Mutagenicity, category 1
Carcinogenicity, category 1
Toxic to Reproduction, category 2

Signal Word:

DANGER

Pictograms and symbols:



Hazard statements

H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H340 May cause genetic defects.
H350 May cause cancer.
H361D Suspected of damaging fertility or the unborn child, by route of gestation length.
H361F Suspected of damaging fertility or the unborn child, by route of food and water consumption.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Prevention Precautionary statements

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.



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- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash face, hands and any exposed skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response Precautionary statements

- P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present
P304 + P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P370 + P378 In case of fire: Use dry sand, powder or foam extinguisher for extinction.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P314 Get medical advice/attention if you feel unwell.
P391 Collect spillage.

Storage Precautionary statements

- P403 + P234 + P233 Store in a well-ventilated place. Keep cool and container tightly closed.
P405 Store locked up.

Disposal Precautionary statements

- P501 Dispose of contents/container to an approved landfill.

3 - COMPOSITION/ INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Mixture</u>	<u>CAS No.</u>	<u>Weight %</u>
Toluene		108-88-3	(30 - 50)
Solvent naphtha (petroleum), light alph.		64742-89-8	(30 - 50)
N-Hexane		110-54-3	(0-10)
Ethyl Acetate		141-78-6	(0-10)

4 - FIRST-AID MEASURES

- Inhalation:** If inhaled, remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult or experiencing dizziness and nausea, give oxygen. Seek medical attention immediately.
- Eye Contact:** If material gets into eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Seek medical attention.
- Skin Contact:** Remove contaminated clothing, dry wipe with paper towel or cloth and wash skin thoroughly with soapy water. Get medical attention if irritation persists.
- Ingestion:** DO NOT INDUCE VOMITING, seek medical attention immediately.
- Note to doctors:** Material if aspirated into lungs may cause chemical pneumonitis. Skin contact may aggravate an existing dermatitis. Treat appropriately.



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5 - FIRE-FIGHTING MEASURES

- Extinguishing media:** Carbon dioxide, foam, dry chemical and water fog. DO NOT USE WATER JET.
- Specific hazards:** Vapour mixtures could flash or explode if exposed to sources of ignition. Containers exposed to extreme heat may explode. Hazards from combustion Carbon dioxide and Carbon monoxide. Contain fire water from entering streams, sewers or drains.
- Extinguishing methods:** Fire fighters to wear self-contained breathing apparatus and full protective gear. Eliminate all sources of ignition. Move containers from fire area if this can be done without risk. Use water spray to cool exposed containers.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Review all potential hazards before proceeding with the clean up. Use spark proof tools and equipment. Wear personal protective equipment, chemical gloves, protective eye wear respirator if and when ventilation is inadequate. Eliminate all ignition sources.

Environmental Procedures

- Small spills:** Shut off source of the leak, contain spilled material by using absorbent type materials. All contaminated absorbent and clean up materials is to be contained and marked for removal to an approved waste disposal facility, in accordance with disposal legislation and the local authority requirements.
- Large spills:** Avoid the release of material to run-off and make contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution. Water polluting material may be harmful to the environment if released in large quantities. Collect spillage.

7 - HANDLING AND STORAGE

- Handling:** Keep away from any ignition sources or heat. Take precautions against static discharges by grounding and bonding all transfer equipment. Do not eat, drink or smoke when using this product. Wear appropriate personal protection, avoid breathing vapor and contact with eyes or skin. Use in well ventilated area's, keeping doors and windows open trying to create cross-ventilation. Close containers if not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Wash hands thoroughly after handling.
- Storage:** Store in original container in a dry, cool and well ventilated area, away from any ignition sources or heat, sparks, open flames and oxidizing agents. Store in a dedicated area and in accordance with local regulations. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in alternative unlabeled containers.



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8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Limits: Occupational Health and Safety Act, 1993 (South Africa)

Toluene	TWA 50ppm, 188 mg/m ³	STEL 150ppm, 560 mg/m ³
Solvent naphtha (petroleum), light alph.	TWA 750ppm, 1780 mg/m ³	STEL 1500ppm, 3560 mg/m ³
N-Hexane	TWA 20ppm, 70 mg/m ³	Not Classified
Ethyl Acetate	Not Classified	Not Classified

TWA : is the average airborne concentration in an 8 hour day for a five day working week.

STEL : is the maximum allowable exposure concentration over a 15 minute period.

Engineering Controls: Use in a well ventilated area only. Maintain air levels below the Exposure limits. Explosion proof ventilation with local exhaust must be used if air levels exceed Exposure limits, or use respiratory protection.

Personal Protection

Respiratory Protection: If risk assessments or air monitoring show concentration exceeding the exposure limits specified, or if you are experiencing headache, nausea or dizziness, use a properly fitted NIOSH- approved air purifying respirator with an organic vapor cartridge in accordance to with local standards.

Hand Protection: Solvent protective gloves.

Eye Protection: To avoid exposure to eyes wear chemical goggles or safety glasses with side shields from liquid splashes, mists, gases or dusts.

Skin and body Protection: Remove and wash contaminated clothing before re-use. Good personal hygiene practices should always be followed.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brownish or reddish liquid.
Odour:	Aromatic
pH:	Not Established
Melting point/ Freezing point:	Not Established
Boiling point/range, °C:	110°C
Flash point, °C:	Approx. 5°C
Lower Explosion Limit	Not Established
Upper Explosion Limit	Not Established
Vapour Pressure, hPa:	Not Established
Vapour Density:	Not Established
Density, g/m³@20°C	0.81
Solubility:	Negligible
Auto Ignition Temperature, °C:	Not Established
Viscosity	1200 cPs - 1300 cPs



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10 - STABILITY AND REACTIVITY

Stability: Stable under normal recommended storage conditions. (See Storage, Section 7.)
Conditions to avoid: Keep away from any sources of heat and ignition, open flames and static electricity. Keep away from oxidising agents.
Incompatible materials: Strong oxidising agents
Hazard decomposition products: Carbon monoxide. And smoke may be formed during combustion.

11 - TOXICOLOGICAL INFORMATION

Acute Effects
Inhalation: May cause irritation to nostrils, throat and respiratory system. Prolonged or repeated exposure may affect the central nervous system leading to headaches, nausea, drowsiness or dizziness, and possibly narcosis. Deliberate misuse by inhaling vapor contents may be harmful or fatal.

Skin Contact: May cause swelling and redness. Frequent & prolonged contact can cause dermatitis, drying and defatting of skin.

Eye contact: May cause serious eye irritation. May experience symptoms of blurred vision, pain, tearing, swelling and redness.

Ingestion: Maybe fatal if swallowed and enters airways. May alter state of consciousness and loss of coordination. Do not induce vomiting as there is high risk of aspiration.

Aspiration Hazard: Aspiration of materials into lungs can cause inflammation of the walls of the lungs, which can be fatal.

Acute Toxicity Values:	Oral LD50	Dermal LD50	Inhalation LC50
Toluene	5 580 mg/kg(rat)	5 000 mg/kg(rabbit)	(4h) 25.7-30 mg/L(rat)
Solvent naphtha (petroleum), light alph.	5000 mg/kg(rat)	2000 mg/kg(rabbit)	Not classified
N-Hexane	24-49 mL/kg(rat)	5 mL/kg(rabbit)	(4h) 73860 ppm(rat)
Ethyl Acetate	LD50:11.3mg/kg bw (rat)	20 000mg/kg bw(rabbit)	(6h) 6000ppm(rat)

Chronic Effects: This product contains ethylbenzene. Based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans. If swallowed may enter the lungs and cause lung damage. Material if aspirated into the lungs may cause chemical pneumonitis.

12 - ECOLOGICAL INFORMATION

Ecotoxicity:	Toxicity to Fish	Toxicity to Aquatic
Toluene	LC50 (4 days) 5.5 mg/L	LC50 (48 h) 3.78 mg/L
Solvent naphtha (petroleum), light alph.	LL50 (4 days) 8.2 - 10 mg/L	EL50 (48 h) 4.5 mg/L
N-Hexane	LL50 (96 h) 12.51 mg/L	EL50 (48 h) 21.85 mg/L
Ethyl Acetate	LCD50(4 days) 230mg/l	EC50(4 days)220mg/l

Persistence and degradability: The majority of the components in this product would be expected to be inherently biodegradable.
Mobility: Not established.



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13 - DISPOSAL CONSIDERATIONS

Disposal Methods: The generation of waste should be avoided or minimized wherever possible. Waste product residues or spilled hazardous materials should be disposed of in accordance of the environmental protection, the waste disposal legislation and the local authority requirements. Use licensed waste disposal contractors. Do not dispose waste down runoff, make contact with soil, waterways, drains or sewers. Do not re-use empty containers and they should be recycled where possible. Empty containers may still have hazardous residue that may present an explosion and fire hazard and must be disposed of in a safe way. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. To avoid risk of injury, do not cut, puncture, weld on or grind near this container.

14 - TRANSPORT INFORMATION

	ADR/ RID	IMDG	IATA
UN Number:	UN 1133	UN 1133	UN 1133
UN proper shipping name:	Adhesives, containing flammable liquids	Adhesives, containing flammable liquids	Adhesives, containing flammable liquids
Transport Hazard Class:	3	3	3
Marine pollutant:		Marine pollutant	
Packaging group:	II	II	II
Emergency schedules (EmS)		F-E, S-E	

15 - REGULATORY INFORMATION

Safety, health and environmental regulations No known specific national and/or regional regulations applicable to this product (including its ingredients).

16 - OTHER INFORMATION

Important: Read this SDS before handling this product.

Key/ legend SDS- Safety Data Sheet
Abbreviations: ADR- European agreement, International Carriage of Dangerous goods by Road
ATE- Acute Toxicity Estimate
BCF- Bioconcentration Factor
GHS- Globally Harmonized System of Classification and Labelling of Chemicals
IATA- International Air Transport Association
IMDG- International Maritime Dangerous Goods
RID- International Carriage of Dangerous goods by Road.
CAS- Chemical Abstracts Service
UN- United Nations (Committee of Experts on the Transport of Dangerous Goods.)
TWA- Time-Weighted average
STEL- Short-term exposure limit.
STOT- Specific target organ toxicity.



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References : Supplier Safety Data Sheet.
ECHA

Disclaimer: This SDS summarizes at the date of issue our best knowledge of the health, safety and environmental hazard information related to this product, and in particular how to safely handle, use, store and transport the product in the workplace. Since Royal Adhesives Industries and its subsidiaries cannot anticipate or control conditions under which the product may be handled, used, stored or transported, each user must, prior to usage, review this SDS in the context of how the user intends to handle, use, store or transport the product in the workplace and beyond, and communicate such information to all relevant parties. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. We shall not assume any liability for the accuracy or completeness of the information contained herein which may be subject to change without notice or any advice given unless there has been gross negligence on our part. In such event our liability shall be limited only to direct damages suffered.